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FISH & RICHARDSON P.C.

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FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 24601-418C

ATTY. DOCKET NO. 24601-418C

APPLICANT

De Jong et al.

FILING DATE GROUP 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref.		DC	CUME	N TN	UMBE	R		DATE	NAME	CLASS	SUB CLASS	FILING DATE
<del></del>	A V	4	В	θ	7	3	5 \	ß	01/30/90	Eppstein et en	435	240.2	.10/29/8
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 2 of 10 FORM PTO-1449 (Modified) ATTY, DOCKET NO. SERIAL NO. 10/086,745 24601-416C APPLICANT LIST OF PATENTS AND PUBLICATIONS FOR De Jong et el. APPLICANT'S INFORMATION DISCLOSURE STATEMENT **GROUP** FILING DATE February 28, 2002 1636 U.S. PATENT DOCUMENTS SUB FILING **EXAMINER** DOCUMENT NUMBER DATE NAME CLASS Ref. CLASS DATE INITIAL No. Pen et al. **Ke**8 10/12/99 01/13/98 9 1/02/99 Szalay et al. 438 12/23/98 5 436 1вз 0/30/9B 11/02/99 7 kjustad *et al.* Z 10/14/98 Bullyski 435 11/19/99 AA 11/30/99 501 09/29/9 Б 9 3 Days et 8 604 AB 08/07/196 02/15/00 Hadlaozky ? es. 60.1 5 ai. 6 522 06)03/98 604 6 02/22/00 Hofmang et al. ХD 06/25)99 Nowie et al. 8 03/07/00 538 23.1 ΑE 6 2 04/17/99 03/11/00 7.2 6 0 3 AF 64/18/00 458 03/14/197 8 Hawley-IN AG 04/25/00 320.1 *6*8x29/97 **′**3 Dirocca et al. AH в 450 05/21198 13/00 Kinnanen et 42/ 6 6 08/20/00 435 07/16/96 Hadlacz et al. AJ 8 0 02/06/9 Rollagd et a 05/02/97 FOREIGN PATENT DOCUMENTS DATE COUNTRY, CLASS SUB Translation DOCUMENT NUMBER \*Ref CLASS Yes No No. 05/18/00 09/09/00 PC 0 2 AM 01/29/97 EP A1 2 EP Ø1 0 08/0/9/99 10)30/97 **Р**СТ 9 0 ΑP 03/05/9 PCT 9 6 AΩ 8 0 05/06/99 9 DATE CONSIDERED **EXAMINER** EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

		Sheet 3 of 10
FORM PTO-1449 (Modified)	ATTY, DOCKET NO. 24601-416C	SERIAL NO. 10/086,745
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE	APPLICANT De Jong et al.	
STATEMENT	FILING DATE February 28, 2002	GROUP 1636

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	UII	12K ANT finding Author, Title, Date, Fertillent Pages, Ltc.,
DJ-	AS	1999 Press Release, "Chromos Molecular Systems Demonstrates Large-Scale Isolation of Mammalian Artificial Chromosomes", available on the world wide wab at: chromos.com/feb399.html
4	AT	1999 Press Release, "Chromos Molecular Systems Reports In Vitro and In Vivo Stability of Functional Mammalian Artificial Chromosome", available on the world wide web at: chromos.com/march1899.html
DJ	AU	2001 Press Release, "Chromos Presents New Chromosome-Based Platform Technology for Gene Therapy (ASGT)", available on the world wide web at: chromos.com/June%204.html
DJ	AV	2001 Press Release, "Chromos Announces Publication of Rapid Screening Technique in the Journal Cytometry", available on the world wide web at: chromos.com/June%207.html
DJ	AW	2001 Press Release, "Chromos Initates Research into Plant Artificia Chromosomes", available on the world wide web at: chromos.com/Jan23.html
Df	AX	2001 Press Release, "Chromos Announces Expression of Therapeutic Protein in Transgenic Animal Carrying an Artificial Chromosome", available on the world wide web at: chromos.com/nov8.html
DJ	AY	2001 Press Release, "Chromos Reports Data on Transgenic Animals Carrying Artificial Chromosome", available on the world wide web at: chromos.com/march28.html
Dj	AZ	2001 Press Release, "Chromos and Biological Research Center Announce Publication of Human Artificial Chromosome Methodology in the Journal of Cell Science", available on the world wide web at: chromos.com/sept12.html
DJ	ВА	2002 Press Release, "Chromos Announces Agreement With Lonza Biologics PLC: ACE System to be Evaluated by Leading Contract Protein Manufacturer" Burnaby, BC, Canada, available on the world wide web at: chromos.com/june10.html (09/12/02)
DL	BB	2002 Press Release, "Chromos Reports Progress in Gene Delivery To Adult Derived Stem Cells" Burnaby, BC, Canade, available on the world wide web at: chromos.com/june6.html (09/12/02)
DJ	ВС	2002 Press Release, "Chromos Enters Collaboration Agreement with Morphogen Pharmaceuticals" Burnaby, BC, Canada, available on the world wide web et: chromos.com/april24.html (09/12/02)
,	- BD	Alton et al., "Nucleotide sequence analysis of the chloremphonical resistance transposen TnO", Nature, 282:864-869 (1979)
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Sheet 4 of 10

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE	APPLICANT De Jong et al.				
STATEMENT	FILING DATE February 28, 2002	GROUP 1836			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		OIF	HER ART (Including Author, Title, Date, Pertinent Pages, Etc.)
_		XE	Alvaro-Gracia et M., "Cytokines in Chronic Inflammatory Arthritis. V. Mutual Antagoniam between Interferon Gamma and Turnol Necrosis Pactor-Alpho on HIA-DR Expression, Proliferation, Collagonase Production, and Grandlogyte Macrophage Colony-stimulating Factor Production by Rheumasold Arthritis Synoviocytes", 86:1790-1798 (1980)
		BF	Andersop et al., "Flow Cytometry of Mitoxic Cells", Experimental Cell Res. 238:498-
	$\Delta$	ÆĢ	ATOC (American Type Culture Collection) Number CCL-29
		ВН	ATCC American Type Culture Collection Number CCL-1.3
		ВІ	ATCC (American Type Culture Collection) Number CCC 110
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	X	BL	ATCC/American Type Culture Collection Number CRI 2056
		ВМ	ATCC (American Type Culture Collection) Number CRL-1769
	•	BN	Audony et al., Serum as a modulator of lipoplex-madiated gane transfaction: dependence of amphiphile, call type and complex stability. J. Sene Med. 2:465-476 (2000)
-		X	Autour and Hoekstra, "Cationic hold-mediated transfection in vitro and in viva (Neview), Molecular Membrana Biology, 18:129/143 (200 N
\	$\longrightarrow$	BP	Aupperla et al., "NF kB Regulation by kB Kinase in Primary Fibroblast-Like Synoviocytes", The Journal of Infimunology, 163:427 433 (1999)
	X	BQ	Baldwin et al., Cloning of the Luciferase Structural Genes from Vibrio harvey; and Expression of Biolumine genes in Escherichia coli", Biochem., 23:3663-3667 (1984)
1	, /	<b>B</b> R	Bao et al. / Transfection Of A Reporter Plasmid Into Cultured Cells By Sonoporation In Vitro", Otrasaund in Med. & Biol., 23/8:953-959 (1997)
	•	BS	Rasic Protocol, Book: Current Protocols in Molegular Biology. Supplement 14, "Calcium Phosphate Transfection", Section 1, Unit 9, 1, 1 - 9.1.9 (1990)
		ВТ	Bendale et al., Afficacy of Sustained Blood Levels of Interleukin-1 Receptor Agragonist in Animal Models of Arthritis and Rheumanism, 42(3):498-506 (1999)
	7	BU	Caldwell et al. "Activation of Genes with Utrasound." Ultrasound Contrast Research Symposium San Diego, CA February 6-8, 1998
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BX Co et al., "Genera	tion of tran	sgenic mice and germline traced into emeryos by pronuc	ensmission of a mammalian			
BW Corrigall et al. "F Expressed by Flor Chemoattractant (2001)	unctional IL oblast-Like Protein-1 Pr	-2 Receptor \$ (CQ122) and Synoviocytes: Activation by oduction", The Journal of In	y (CD132) Chains Are IL-2 Stimulates Monocyte Inmunology, 166:4141-4147			
BX Csonka et al., "N magnmalian galls	vel general , J. of Cell	tion of human satellite DNA- ci., 113:3207-3216 (2000	based artificial chromosomes in			
BY de Wet et al., AFi	efly Luciter	ase Gene: Structure and Exp 3x2:725-737 (1987)	pression in Mammaten Cells",			
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CB de Jong et al. At Chromosomy into	patract No.	550: Un Vitro Transfer of a Ulines Using Cationic Lipid	60 Mb Mammalian Artificial s an a Dondrimer", one page			
CC de Jonge et al. " Cells" (njernation	Chromoson	ne and DNA Mediated Gene of Cytology, 92:133-158 (X	Transfer in Cultured Mammalian 984)			
CD Del Veychio et al.	, Approach	nea to enhancing the retrovi earch, 3:259-263 (2001)	rantransduction of human			
CE Durand et al., Si Maximize Therap	quencino R Lytic Gain",	adiation and Adriamyoln Exp J. J. Radiation Oncol. Biol. I	posures in Spheroids to Phys. 1732:345-350 (1989)			
CF Qurand et al., "RECombinations"	esponse of I	Cell Subpopulations in Spher 6:95-100 (1988)	oids to Radiation-Drug			
* CG Durand et al., "So Treatments of Sp	hedule Dep	vendence for Cisplatin and 5 Netl. Cancer Inst., 88/23.1	oposide Multitraction 841-1845 (1990)			
Ch ECACC (European mouse myelonga	Collection	of Cell Cultures) No: 85 110	503, Cell Line Name: NSO.			
CI Edwards, J.C.W. fibroblests in arth	differentiation of synovial (2000)					
EXAMINER David Jamber	ter	DATE CONSIDERED	6/17/04			
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Sheet 6 of 10 FORM PTO-1449 (Modified) ATTY, DOCKET NO. SERIAL NO. 24601-416C 10/086,745 **APPLICANT** LIST OF PATENTS AND PUBLICATIONS FOR De Jong et al. APPLICANT'S INFORMATION DISCLOSURE STATEMENT **GROUP** FILING DATE February 28, 2002 OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) Edwards, J.C.W. "Synovial Intimal fibroblasts," Afin. Rheum. Dis. 84:395-397 (1995) Engebrecht et al. "Identification of genes and gene products necessary for bacteries CK bioluminescence", Proc. Nefl. Acad. Sci. USA, 81:4154-4158 (1984) Evens et al., "Clinical Trial to Assess the Safety, Feasibility, and Efficacy of Transferring Potentially Anti-Arthritic Cytokine Gene to Human Joints with Rheumatoix Arthritis," Human Gen. Thek / 7:1261-1280 (1996) Firestein, G.S. Invasive Fibroblast-Like Synoviopytes in Rheumatoid Arthritis. **Arthritis** CM Rheum., 39X(781-1790 (1986) Fritz ot al., Abstract: "Ultresound Enhancement of Gene Expression, Newly Discove Cattoric Lipids, and a New Class of Gene Delivery Agents", Imakx Pharmaceutical Colo. Approunces Important Discoveries in Epierging Field of Drug Delivery Using Acoustically Active Carriers, ImaRx Pharmeceutical Corp., pages 1-2/2001) Gecleg et al. The Effect of a T Cell-Specific NF-xB Inhibitor on In vitra Cytokine ÇO Production and Collagen-Induced Arthritis," J. Imgiunol., 165:1652-1658 (2000) Gerlag at al., "Supression of murine collagen-induced arthritis by targeted apoptosis of ĆР synovial reovasculature", Arthitis Research, 3(6):35 2361 (2001) Goater et al. "Empirical Advantages of Adeno Associated Viral Vectors for in ົນ*o* Gene Therapy for Arthritis," J. Rheumatol. 27(4):983-989 (2000) Greham et al., A New Technique for the Assay of Infectivity of Human Adenovirus (ONA", Virol, 52:456-467 (1973) CR Gratzner et al., "An immunofluorescence Mathod for Monitoring DMA Synthesis by Flow CS Cytologitry", Cytometry, 1/6:385-389 (1981) Hads et el., "Codon usage limitation in the expression of HIVI envelope glycoprotein", CT Qurrent Biol., <u>6/3</u>:3/6-324 (1995) Hall at al., "Expression and Regulation of Escherichia goli lacZ Gene Fusions in ĊΨ Memmelian Cells, J. Molecular and Applied Genetics, 2 101-109 (1983) Nan et el. / AP-1 and NF-kB Régulation in Rheumatold Artivitis and Murine Collagen-Induced Anhritis " Autoimmunity, 28: 197-209 (1998) Hoekstra et ol., "Lipid thefficking and sorting: how cholesterof is filling gaps", Current CW Opinion in Cell Biol., 1/2:496-502 (2000) Hoekstra et al., "Membrane flow, light sorting and cell polarity in HebG2 relis, role of a subapical compartment", Biochem Soc. Trans., 27/4:422-428 (1999) DATE CONSIDERED **EXAMINER** EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next

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CY Hottman et al., "Lipochron Specificity Of Localization Transferents", In Vitro, 1	nosome Me Of Human No:735-740	diated Gene Tren chromosomer Ma (1981)	ster: Identification And Probable terial And Stability Of The					
CZ Hollo of al., "Evidence for chromosome regments",	a megarepli Chromo Re	con covering me s. 4:240-247 N	gabases of centromeric					
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DB Huber et al., "A Compans Unrasound = Induced Loce 25/9(1451-1457 (1998)	on Of Shoci	Wave And Sinu action of HeLa C	soldal-Pocused relis", Ultrasound to Med. & Biet					
DC shihara et al., "Effects of with phospholipid polar gr	phospholipi oup", J. Bio	d adsorption on med. Materials	penthrombogenisity of perymer (25., 27:1309-1314 (1993)					
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DE Joog et al., "A Segment of BNA Directs Internal Entry 62/8:2636-2843 (1988)	of the 5' No y of Riboson	translated Regio	n of Encelphalomyocarditis Virus o Translation", <i>J. Virol.</i> ,					
DE Jellinek et al. Potent 2'- Growth Factor", Biochem	Amino-2 -de ., <u>34</u> : 1 363	oxypyrimidine RI -1,1372 (1995)	NA Inhibitors of Basic Pibroblast					
DG Kereso of al., "De novo cl centromeric region of mor	hromosome use chromos	formations by lar	ge-scale amplification of the come Res. 4:226-239 (1996)					
DH Kim et al., "Ultresound M Therepx 7:1339-1346 N	ediated Tran 996)	stection of Mam	malian Cells Human Gene					
Kong er al. "Activated T arthritis through osteopro	cells regulat tegerin liger	e bone loss and d', Nature, 402	igint destruction in agruvant 304-309 (1999)					
DJ Lamb of al., "Introduction gage in transgenic mice"	and expres	sion on the 400 letios, 5.22-29 (1	kilobasa precyrsor amyloid prote 9931					
DK U et al., "NF-xB Regulate Journal of Immunology, 1	VCAM-1 E 84:5990-6	onression on Fibr	roblast Like Synoviocytes", The					
DL Lin et al., "Modified RNA 22/24:5229-5234 (1994	sequence p	odis for in vitro s	election", Nucleic Acids Res.,					
EXAMINER David Jan buts	A DATE	CONSIDERED	6/17/04					
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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE	APPLICANT De Jong et el.	
STATEMENT	FILING DATE	GROUP 1636

tile Date, Pertinent Pages, Etc.) OTHER ART (Including Author Maier et al., "Membrane domains and polarized trafficking of sphingolipids", Cell & Sevelop. Biol., 12:149-161 (2001) DM Miller et al., "Sonoporation Of Colleged Cells In The Rotating Tube Exposure System" DN Ultrasound in Med. & Biot 25/1/143-149 (1998) Mukherjee at el., "Entrapment of metaphase chromosomes into phospholipid vesicles QΟ (lipochromosomes): Cerrier potential in gene transfer". Pcoc. Watl. Acad. Sci. USA, 75/3:1381-1365 (1979) <u>75/3</u>:1381-1365 (19781 || || || NCBI Nucleotide, X82564, M.musodius 455 pr...[ph.1261918], "Nepping of replication in the mouse ribustimal pene cluster" Noguchi et al., "Measurement of DNA Synthesis by Flow Cytemetry", Cytemetry ΦQ 1/6:390-393 (1981) Oberle et al., "Upoplex Formation under equilibrium Conditions Reveals a Three-Step Mechanism", Bischys. J., 19: 1417-1454 (2000) Olive et al., "Increase in the fraction of necrotic, not apoptotic, cells in SiHa xenograft DS tumours shortly after madiation" Radiotherapy & Oncology, 50:113/19 (1999) Olive et al "Resistance to NA Denaturation in Irradiated Chinese Hamster V79 Fibroblasts is Linked to Cell Shape" Experimental Cell Res., 193:339-345 (1991) Pagratis et al., Potent 2'-amino, and 2'-fluoro-2'-deoxyribonucleotide RNA inhibitors of keraknocyte growth factor, Nature Giotechnol., 15:88-73 (1997) DU Pechour et al. Protein induced Fusion Can Be Modulated by Target Membrane Lipids through a Structural Switch at the Level of the Fusion Peptide", J. Biol. Chem., 275/6:3936-8942 (2000) DV Perez et al., "Satellite DNA bassed artificial chromosomes - chromosomal vectors" TIBTECH, 18:402-403 (2000) Pittman et al., "A simple and rapid impunological technique for visualising chromosome-nediated gane transfer (CVGT). U. minunol. Methods, 103:87-92 (1987) DX Rope at al. Acquorea Green Flyerescent Protein Analysis by Flow Cyrometry Cytometry, 21:309-317 (1995) Sambrook et al., Book. "Morecular Bloning", A Laboratory Manual, Second Ed., Cold DZ

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Spring Harbor Laboratory Plass (1989)

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Title: METHODS FOR DELIVERING NUCLEIC ACID MOLECULES INTO CELLS AND ASSESSMENT THEREOF

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EA	eukeryetic cells: down feg	atio	P		corticotropin-rel	ntisense oligonucleotides into easing factor receptor", Nucleic
EB	Shi et al., "Interference of mediated delivery of oligon transitions," Biochem. J.,	poly uctes 68 F		en 1	e glycol)-likid ana rold of tipid excha 18-841 (2002)	logues with cationic-ligid ngeability and non-lamellar
· Ec	Song et al., "Cell surface e heroes simplex Virus type-	المحالة	LIH.	Y I	MHC malecules	in glioma colls infected with
ED	Stewart et al., "Betrofitting (ACes) to contain lox rec	of a			te repeat DNA-bastes (es , Gene There	sed murine entifical chromosome apy 9:719-723 (2002)
EE	in chandracytes and synov	locyt	85	1 F4	RR retters 382:	expression of exogerates gene: 179-182 (1996)
EF	Tak et al., "The effects of	X		þþ	eta treatment on	erthritis", Rheumatology,
• EG	Takeuchi et al. Enhanced Thrombus with the Use of MRX-408A1); In Vivo Ex Exhocardiagr., 12/12:101	3 - S		15 A W	on of Intravascula Fargating Ultras ordcardlographic	rand Left Atrial Appendage on graphic Contrast Agent Studies", J. Am. Soc.
BH	Telenius et al., "Stability o					DNA-based artificial Res., 7:3-7 (1998)
EI	Ton et al. "Isolation and single gene with two pron	100	1977	Z. EE	ion of a rat liver ( \$, pages 231-23	alkeline phosphatase gene. A 7 (1989)
• EJ	Unger et al., Book: "Lipos Ultrasound contrast Agen	dres	20.8	X	ocardial perfusion , pages 57-74 (1	ultrasound contrast agents.
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• EM	Unger et al., Abstract: "A Contract Agent", RSNA,	ssés Chica		1	Myocardial lofa 177, page 419	rot with a New Ultrasound (1997)
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ES INTO CELLS AND ASSESSMENT THEREOF Title: METHODS FOR DELIVERING NUCLEIC

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Sheet 10 of 10 SERIAL NO. , podket no. FORM PTO-1449 (Modified) 4501-416C 10/086,745 APPLICANT De Jong et al. LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE LING DATE STATEMENT GROUP 1636

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Sheet <u>1</u> of <u>1</u> Attorney's Docket No. Application No. U.S. Department of Commerce Form PTO-1449 24601-416C 10/086,745 Patent and Trademark Office (17084-018003)Information Disclosure Statement Applicant by Applicant Gary De Jong, et al. (Use several sheets if necessary) Filing Date Group Art Unit (37 CFR §1.98(b)) February 28, 2002 1636 **U.S. Patent Documents** Publication Filing Date Examiner Desig. Document Patentee Class If Appropriate Initial ID Number Date Subclass NONE

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